

# PUBLIC SAFETY DEPARTMENT[661]

## Adopted and Filed

Pursuant to the authority of Iowa Code Supplement section 103.6, the Electrical Examining Board hereby amends Chapter 504, "Standards for Electrical Work," Iowa Administrative Code.

The Electrical Examining Board is authorized by Iowa Code Supplement section 103.6 to adopt standards for electrical work performed by persons licensed by the Board and in installations subject to inspection by the State Electrical Inspection Program. The statute requires that these standards be based upon the most current edition of the National Electrical Code published by the National Fire Protection Association. The amendment adopted herein updates the rules of the Electrical Examining Board to adopt by reference the National Electrical Code, 2008 edition. Similar rule makings have been undertaken by the State Fire Marshal and the Building Code Commissioner and are published herein as **ARC 7342B** and **ARC 7343B**, respectively.

This amendment was proposed in a Notice of Intended Action published in the Iowa Administrative Bulletin on September 24, 2008, as **ARC 7177B**.

A public hearing on this proposed amendment was held on October 16, 2008, and extensive comments were received at the hearing and otherwise. The commenters fell into two categories: those who advocated that the new edition of the National Electrical Code be adopted without amendments and those who advocated that it be adopted with three specific amendments. The requested amendments were to retain provisions of the 2005 edition of the National Electrical Code regarding ground-fault circuit interrupters, arc-fault circuit interrupters, and tamper-resistant receptacles. After considering the public comments and the arguments presented, the Electrical Examining Board elected to adopt one of the three suggested amendments, the amendment that would retain the language of the 2005 edition of the National Electrical Code for ground-fault circuit interrupters. Consequently, the amendment adopted herein contains an amendment to section 210.8 of the 2008 edition of the National Electrical Code regarding requirements for ground-fault circuit interrupters.

This amendment will become effective January 1, 2009.

This amendment is intended to implement Iowa Code Supplement chapter 103.

The following amendment is adopted.

Amend rule 661—504.1(82GA,ch197) as follows:

**661—504.1(82GA, ~~ch197~~ 103) Installation requirements.** The provisions of the National Electrical Code, ~~2005~~ 2008 edition, published by the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts, are adopted as the requirements for electrical installations performed by persons licensed pursuant to 661—Chapters 500 through 503: and to installations subject to inspection pursuant to 2007 Iowa Acts, chapter 197, with the following amendment:

Delete section 210.8, paragraph (A) and insert in lieu thereof the following new paragraph:

(A) Dwelling Units. All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified in (1) through (8) shall have ground-fault circuit-interrupter protection for personnel.

(1) Bathrooms.

(2) Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No. 1 to (2): Receptacles that are not readily accessible.

Exception No. 2 to (2): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).

(3) Outdoors.

Exception to (3): Receptacles that are not readily accessible and are supplied by a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with 426.28.

(4) Crawl spaces—at or below grade level.

(5) Unfinished basements—for purposes of this section, unfinished basements are defined as portions or areas of the basement not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No. 1 to (5): Receptacles that are not readily accessible.

Exception No. 2 to (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Exception No. 3 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.

Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

(6) Kitchens—where the receptacles are installed to serve the countertop surfaces.

(7) Laundry, utility, and wet bar sinks—where the receptacles are installed within 1.8 m (6 ft) of the outside edge of the sink.

(8) Boathouses.

This rule is intended to implement ~~2007 Iowa Acts, chapter 197~~ Iowa Code Supplement chapter 103.

[Filed 10/29/08, effective 1/1/09]

[Published 11/19/08]

EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 11/19/08.